

CLAIMS

Claim 1. Public system for wirelessly controlling content seen on large-screen systems comprising:

- a.) at least one publicly-accessible large-screen display and display means for imaging screen-content onto said large-screen display;
- b.) at least one wireless handheld device having user-input means for transmitting at least one type of control signal from said device;
- c.) said wireless handheld device(s) suitable for establishing a communications link with a publicly-accessible wireless communications network;
- d.) said wireless communications network having at least one electrically powered microcontroller, at least one control-circuit, and software for receiving and interpreting said control signals, and for controlling screen-content of at least one video system, on said large-screen display, according to said user-input; and
- e.) said wireless communications network having control signal reception means suitable for receiving said control signals and for routing same to said microcontroller(s).

Claim 2. The large-screen display of claim 1 comprising at least one projection screen and at least one projector to project user-input controlled video signal.

Claim 3. The projection screen(s) of claim 2 comprising a screen material suitable for rear-projection.

Claim 4. The large-screen display of claim 1 comprising a screen composed of a multiplicity of pixel elements.

1 Claim 5. The wireless handheld device(s) of claim 1 consisting of a wireless telephone having
2 user-input means suitable for taking at least one type of control input from a user and
3 transmitting same as identifiable control signals.

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5 Claim 6. The wireless telephone and identifiable control signals of claim 5 wherein said user-
6 input means is provided by at least one of said telephone's push-buttons and said identifiable
7 control signals are provided by a transmittable signal generated during the depression of any of
8 said push-button(s).

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10 Claim 7. The wireless telephone and identifiable control signals of claim 5 wherein said user-
11 input means is provided through said telephone's mouthpiece and said identifiable control
12 signals consist of at least one vocalized sound, wherein;

13 at least one microcontroller of the system provides voice recognition software routines
14 suitable for interpreting said vocalized sound(s) and
15 for outputting screen-content control signals in response to said control signals.

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17 Claim 8. The wireless handheld device(s) of claim 1 consisting of a wireless Personal Digital
18 Assistant ('PDA') having user-input means suitable for taking at least one type of control input
19 from a user and transmitting same as identifiable control signals.

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21 Claim 9. The wireless PDA and identifiable control signals of claim 8 wherein said user-input
22 means is provided by at least one of said PDA's push-buttons and said identifiable control
23 signals are generated during the depression of any of said push-button(s).

Claim 10. The wireless PDA and identifiable control signals of claim 9 wherein said user-input means is provided by at least one touch-screen event of said PDA and said identifiable control signals are generated in response to any of said touch-screen event(s).

Claim 11. The identifiable control signals of claim 10 wherein said touch-screen events of said PDA are provided by handwriting recognition of a PDA stylus when writing on said touch-screen and said control signals are comprised of characters interpreted by the PDA handwriting recognition software.

Claim 12. The identifiable control signals of claim 10 wherein said touch-screen events of said PDA are provided by the tap of a PDA stylus at a particular location on said touch-screen.

Claim 13. The identifiable control signals of claim 10 wherein said touch-screen events of said PDA are provided by movement of a PDA stylus on said touch-screen.

Claim 14. The wireless handheld device(s) of claim 1 consisting in the combination of a wireless phone and a wireless Personal Digital Assistant.

Claim 15. The communications link and publicly-accessible wireless communications network of claim 1 consisting of a connection with at least one telephony service provider.

Claim 16. The communications link and publicly-accessible wireless communications network of claim 1 consisting of at least one connection with the international global network, commonly referred to as the 'Internet'.

1 Claim 17. The communications link and publicly-accessible wireless communications network
2 of claim 1 consisting of a connection with at least one wide area network, commonly referred to
3 as a 'WAN'.
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5 Claim 18. The communications link and publicly-accessible wireless communications network
6 of claim 1 consisting of a connection with at least one local area network, commonly referred to
7 as a 'LAN'.
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9 Claim 19. The microcontroller and control circuit of claim 1 further comprising an interactive
10 communications link with at least one video-game system, said video-game system(s) comprising:

- 11 a.) at least one interactive software game;
12 b.) input circuitry for receiving input-controller information from said control signal(s)
13 in order to control game parameters
14 c.) video-output circuitry for outputting video-game screen-content to said large-screen
15 display
16 d.) video-output circuitry for controlling video-game screen-content on said large-screen
17 display according to user-input.
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19 Claim 20. The microcontroller and control circuit of claim 1 further comprising a communications link
20 with at least one video system, said video system(s) comprising:

- 21 a.) video hardware and software, and input circuitry for receiving and interpreting input-
22 controller information from said control signal(s) in order to control video parameters
23 b.) video-output circuitry for outputting video screen-content to said large-screen display
24 c.) video-output circuitry for controlling video screen-content on said large-screen
25 display in response to user-input.
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1 Claim 21. The video hardware and software of claim 20 further comprising means for controlling
2 screen-content on said large-screen display.

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4 Claim 22. The video hardware and software of claim 20 further comprising means for switching screen-
5 content on said large-screen display.

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7 Claim 23. The video hardware and software of claim 20 further comprising means for modulating
8 screen-content on said large-screen display.

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10 Claim 24. The video hardware and software of claim 20 further comprising means for controlling
11 screen-elements on said large-screen display.

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13 Claim 25. The system of claim 1 further comprising a communications link between said
14 microcontroller(s) and at least one non-volatile memory to store user-input programmable parameters
15 and to retrieve same therefrom as needed.

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17 Claim 26. The system of claim 1 further comprising a communications link between said
18 microcontroller(s) and at least one non-volatile memory to retrieve pre-assigned parameters therefrom as
19 needed.

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21 Claim 27. The system of claim 1 further comprising a communications link between said
22 microcontroller(s) and at least one updateable database record to store game-related information and to
23 retrieve same therefrom as needed.

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25 Claim 28. The system of claim 1 further comprising at least one software routine that provides access to
26 the system upon receipt of at least one acceptable access-code sent from a wireless handheld device.

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2 Claim 29. The access-code(s) of claim 28 consisting of at least one telephone number.

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4 Claim 30. The video system(s) of claim 1 further comprising a software interface responsive to user-
5 input from a wireless device to facilitate on-screen selection of pre-determined parameters that will
6 effect screen-content of said video system(s).

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8 Claim 31. The video system(s) of claim 1 further comprising a software interface responsive to user-
9 input from a wireless device to facilitate on-screen selection of programmable parameters that will effect
10 screen-content of said video system(s).

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12 Claim 32. said wireless communications network(s) of claim 1 further comprising caller-identification
13 means for automatically identifying a caller who has established a communications link with said
14 network(s).

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16 Claim 33. Public system for controlling content seen on large-screen systems comprising:

- 17 a.) at least one publicly-accessible large-screen display and display means for imaging screen-
18 content onto said large-screen display;
- 19 b.) at least one wireless phone having user-input means suitable for taking at least one
20 type of control input from a user and transmitting same as identifiable control signals;
- 21 c.) said wireless phone suitable for establishing a communications link with a publicly-
22 accessible wireless communications network;
- 23 d.) said wireless communications network having at least one electrically powered
24 microcontroller and control-circuit for receiving and interpreting said control signals,
25 and for controlling screen-content derived from at least one video system, on said
26 large-screen display in response to said user-input; and

1 e.) said wireless communications network having control signal reception means suitable
2 for receiving said control signals and for routing same to said microcontroller(s).
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4 Claim 34. Public system for controlling content seen on large-screen systems comprising:

5 a.) at least one publicly-accessible large-screen display and display means for imaging screen-
6 content onto said large-screen display;

7 b.) at least one wireless Personal Digital Assistant (PDA) having user-input means
8 suitable for taking at least one type of control input from a user and transmitting same
9 as identifiable control signals;

10 c.) said wireless Personal Digital Assistant suitable for establishing a communications
11 link with a publicly-accessible wireless communications network;

12 d.) said wireless communications network having at least one electrically powered
13 microcontroller and control-circuit for receiving and interpreting said control signals,
14 and for controlling screen-content derived from at least one video system, on said
15 large-screen display in response to said user-input; and

16 e.) said wireless communications network having control signal reception means suitable for
17 receiving said control signals and for routing same to said microcontroller(s).
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